Manufacturing and Beyond Mattress Manufacturing

Aptean OSAS

Streamline your business with our robust manufacturing system designed from the ground up for the bedding industry.

Manufacturing and Beyond is a complete manufacturing solution, designed by bedding manufacturers with today's bedding industry in mind. It starts with a configuration tool that allows the designer to build a recipe (model) and then explode the bill of materials into separate inventory items for each bed size. As customers request these items, the orders are added to a daily schedule which drives the production process. Bar-coded media is produced for each serialized piece to help track it through the operations on the manufacturing floor. Detailed information about the status of orders and individual items can be viewed at any time during the production process.

On the manufacturing floor, a .NET-powered browser-based solution provides clear instructions to employees as they scan each piece through the production operations. This full-screen graphical interface also enforces FR lot number collection and includes pictures, multi-lingual prompts, and a running total of the day's pay for piecework employees. Completed pieces are bagged and scanned onto trucks using this same web interface, and employees can be paid piecework rates for these operations as well. Once a truck is loaded, the process comes full-circle back to the billing department as orders are finalized and paperwork generated for the entire load in one combined process.

Models (Design – from Build-a-Bed)

- Models (Design – from Build-a-Bed)
- Design one model; Build-a-bed automatically explodes it to unlimited sizes.
- Multi-level Bill of Materials with reports, global changes, etc.
- Piecework labor can be integrated into cost calculations.
- View and experiment with costs for all sizes before committing changes.
- Each serial number created includes complete, costed bill of materials.
- Changing models for future releases won't disrupt production in-progress.
- Inventory can be relieved for each component "on-time" as used in production.
- Use Weight factors to automatically calculate material percentages of raw materials on the law tag.
- Piecework rates will automatically feed into Manufacturing (Shop Floor).
- Audit Reports to identify potential issues before posting models to production.

Scheduling

- Many ways to schedule orders (by order number, by route, by ship-to state, etc.).
- Automatically create Loads and Delivery Schedules during the scheduling process.
- Ability to print all media (law tags, control tickets) with the stroke of a key.
- Inquiry screens allow snapshot of where products are on the shop floor.
- View quantities and percentages needed, done, and loaded for each run, order, and line item.
- Daily totals broken down by item type, complete with production stats per hour.
- Flexible inquiry filter allows each user to view production data per individual needs.
- View pieces by Production Run, Order, or Item—filtered any way you like.
- View details for each piece: operation statuses, lot numbers, employees, etc.
- Tightly integrated with Orders, order changes provide immediate feedback to production.
- Flexible; last-minute order changes can be applied to the schedule on-the-fly.
- Historic daily production schedules retained for easy viewing.

Manufacturing (Shop Floor)

- .NET-based web application; many stations share one license.
- Full-screen, interactive interface leads employees through the scanning process.
- Running balance of piecework pay and pieces produced.
- Piecework automatically fed into Payroll module, with flexible controls by employee.
- Teams can share an operation with piecework pay automatically split.
- Time-clock control allows in/out hours to be set for each department, shift, and date.
- Integrated intelligent time clock tracks hours, with incentive for correct clocking in/out.
- Integrated FR Lot tracking.
- Pictures of operations and products being produced.
- Multi Lingual (English – Spanish).
- Piecework, Bagging, and Shipping all from one web interface.
- Shop floor feature to cut foam buns into foam toppers, making appropriate inventory adjustments
- Real-time production display

Shipping (Loads or Delivery Schedule)

- Create loads on-the-fly using the Shop Floor Control Web Application.
- One-Button bill of lading and invoice generation for any number of orders.
- Shipped quantities on order updated as serial numbers scanned to truck.
- Short shipments easily resolved to backorders, stock or cancel.
- Historical load information, Bills of Lading can be reprinted.
- Easy sequencing of orders on each load.
- Delivery schedule in unload sequence order, with contact info. and comments.
- Live UPS/FedEx shipping labels created and printed

Complete ERP System

- Accounts Receivable
- Sales Order
- Accounts Payable
- Purchase Order
- Inventory
- General Ledger
- Payroll
- eBusiness (Customer and Sales Rep)
- Credit Card integration
- Customer Relationship Management (CRM)
- Dashboards
- Jasper iReport
- Quality Control module allows to record QC inspections and rework performed on a serial number
- Signed documents such as BOL, pick slips, etc. are scanned, then automatically indexed and stored with each customer/invoice for viewing
- User designed Law Tags, sub assembly labels, bagger labels, hang Tags, etc.
- EDI – fully automated solution: X12 mapping tool, 850, 855, 856, 810

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